Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

PAGE

Mr. GREEN on improved Frames for Ships 67
Mr. SMITH on a Cramp for Flooring-boards 73
Mr. HALL on an Improvement in the Sashes of Gothic Windows 77
Mr. TAPERELL on a Spindle for Mortice-Locks 81
Mr. PERKINS on a Cowl for Ventilation 83
Mr. PENNY on a Cutting Plough for Stationers 85
Mr. HENEKEY on a Gauge for Standing Casks, and a Cellar Candlestick 86
Mr. VARLEY on a Lathe for grinding Lenses 91
Mr. TURRELL on a Stage for a Microscope..... 113
Mr. HOLLAND on a Triplet for Microscopes 120
Mr. SLACK on a Dissecting Microscope 127
Description by Mr. VARLEY of Mr. CLEMENT's Planing Machine 157

The SECRETARY on Furs and the Fur-Trade 186
Appendix 217

LIST OF COPPER-PLATES.

1. Mr. LANE's Instrument for describing Spirals.
2. Mr. KENNISH's Apparatus for concentrating the Fire of a Ship's Broadside.
3. Mr. VARLEY's Lathe for grinding Lenses.
4. Mr. TURRELL's Stage for a Microscope.
5. Mr. HOLLAND's Microscope. Mr. SLACK's Dissecting Microscope.
6. Elementary Tissue of Plants
7. Motion of Fluids in Plants } described in Mr. SLACK's Paper.
8, 9, 10. Mr. CLEMENT's Planing Machine.

Mr. T. Lane's Instrument for drawing Spiral Lines.

Fig.15.

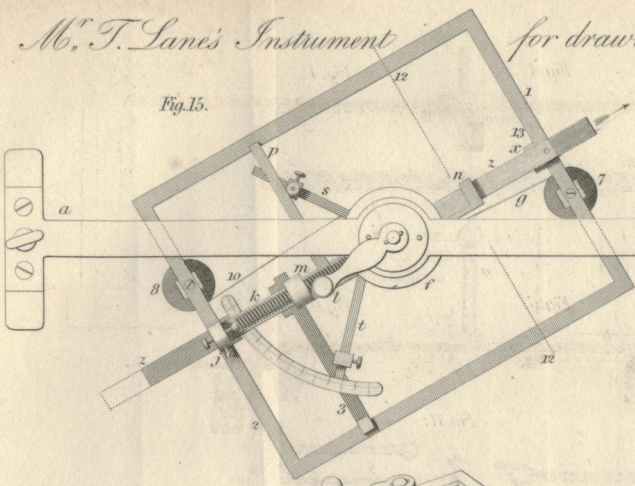


Fig.14.

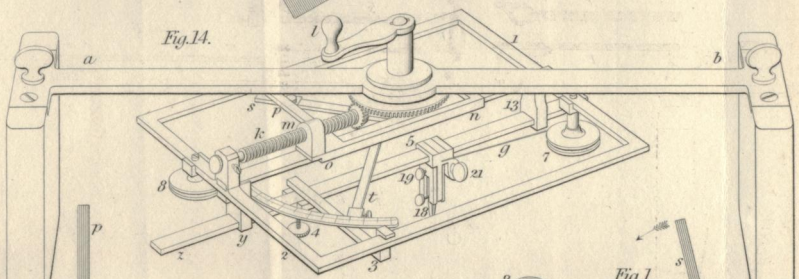


Fig.10.

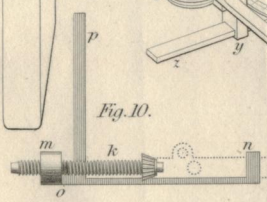


Fig.1.

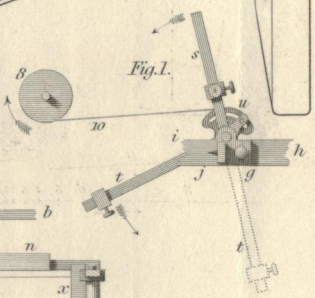


Fig.13.

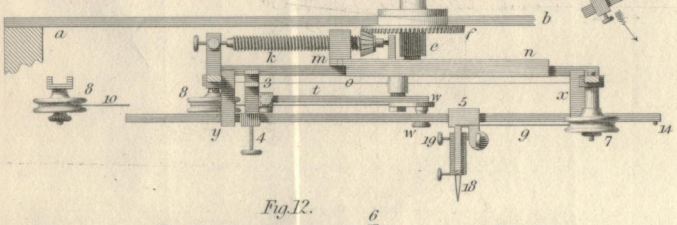


Fig.12.

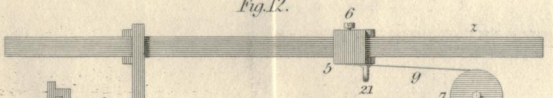


Fig. 16.

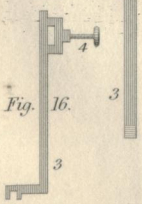


Fig.17.

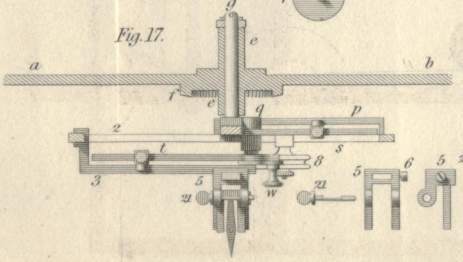


Fig.18.

Drawn by C. Varley.

ial Lines.

Fig.4.

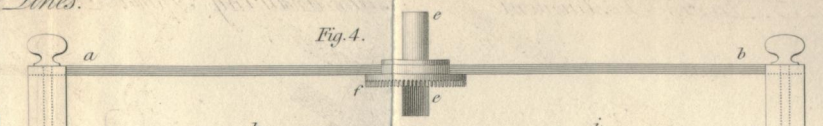


Fig.5

Fig.7.

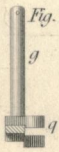


Fig.6.

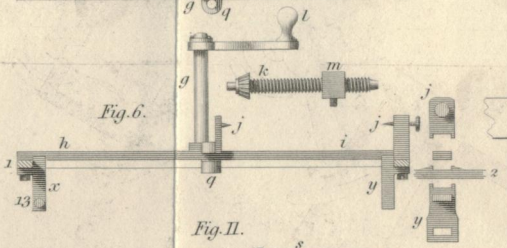


Fig.II.

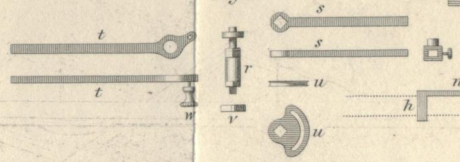


Fig.8.

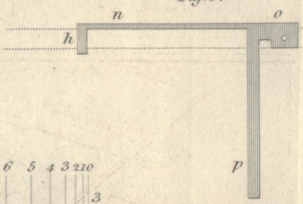


Fig.9.

Fig.2.

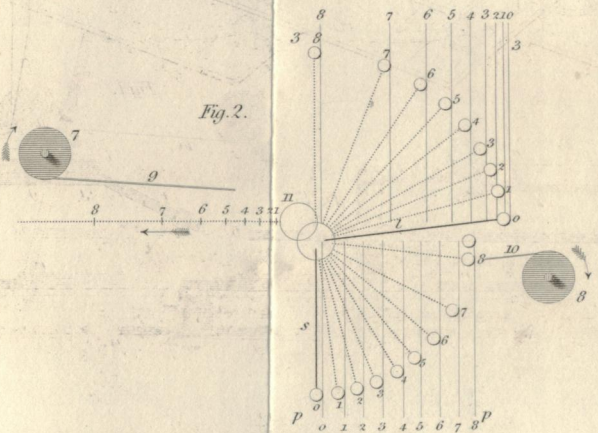
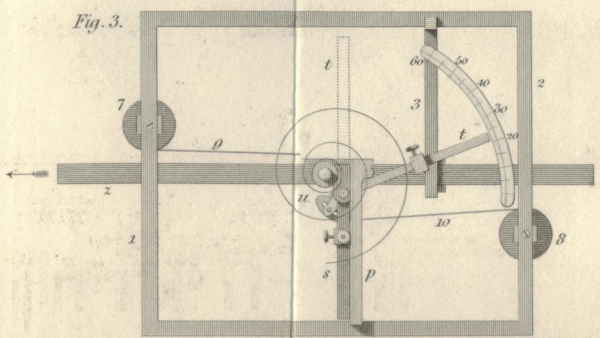
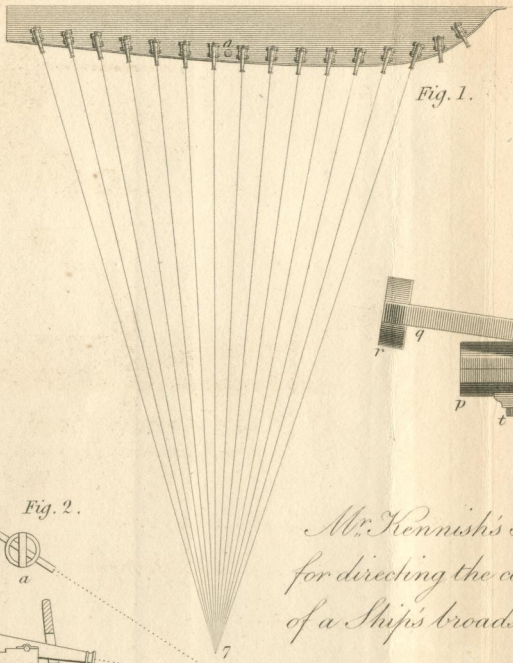
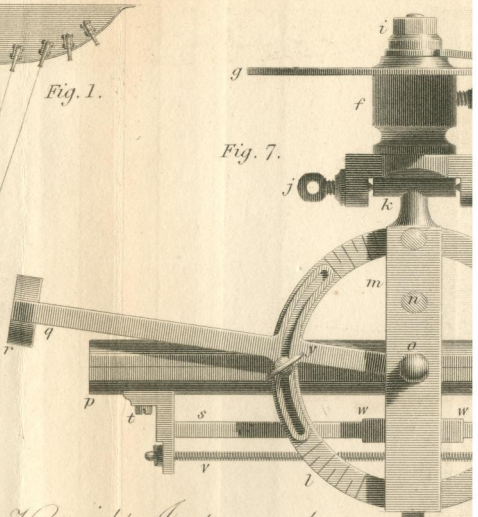


Fig.3.

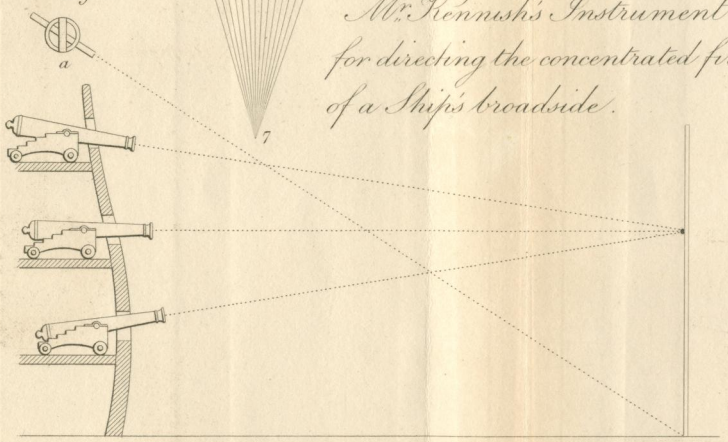


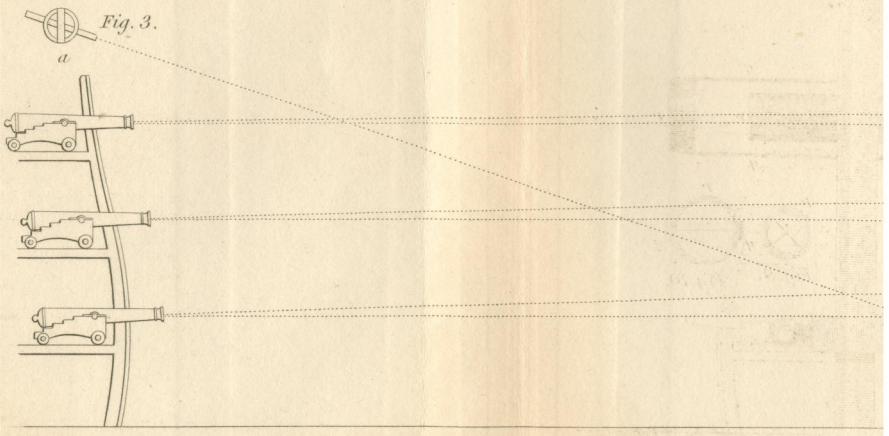
Engraved by E.Turrell.





Mr. Kennish's Instrument for directing the concentrated fire of a Ship's broadside.





Drawn by C. Varley.

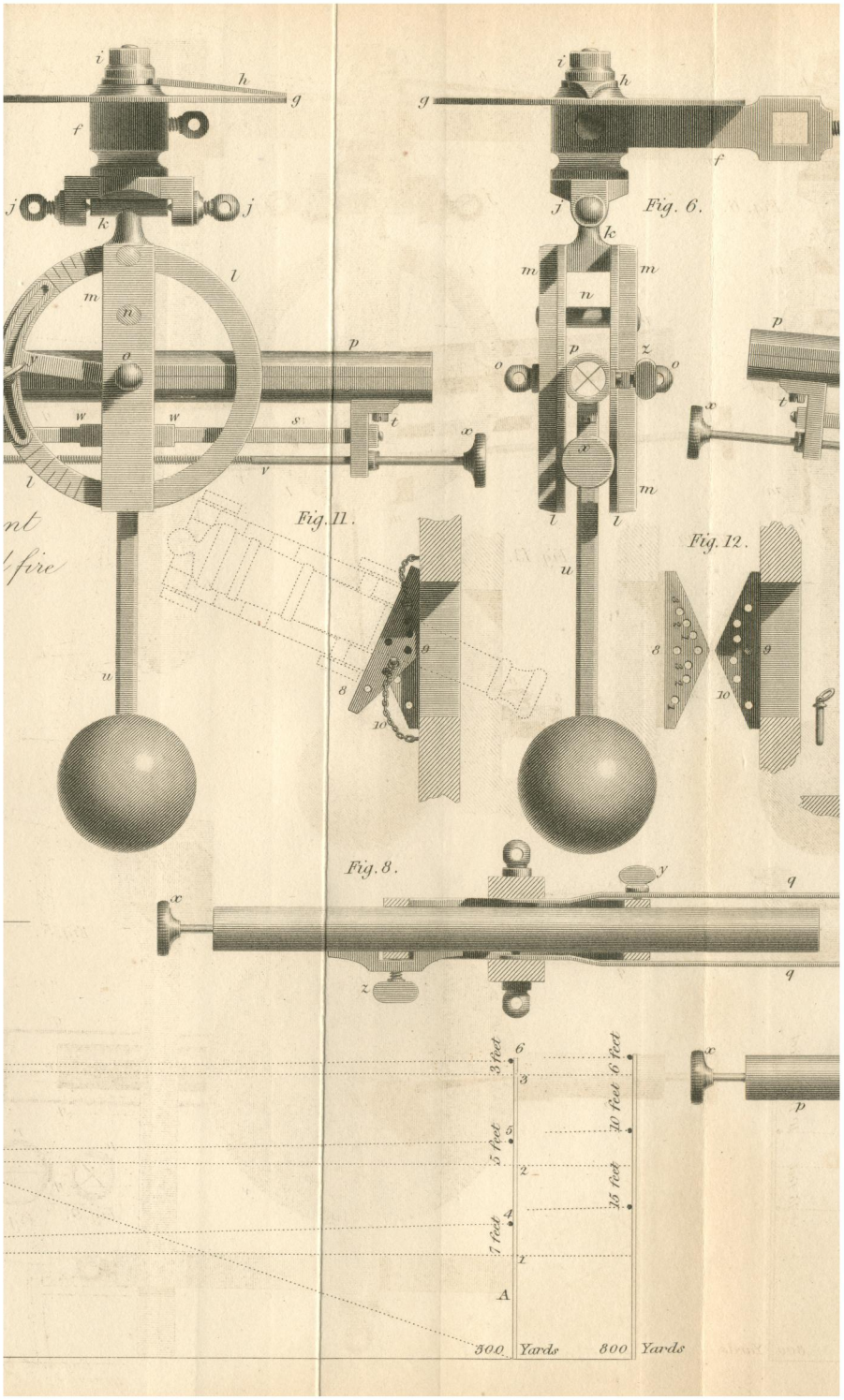


Fig. 6.
Fig. 11.
Fig. 12.
Fig. 8.
3 Feet
5 Feet
7 Feet
10 Feet
15 Feet
300 Yards
800 Yards

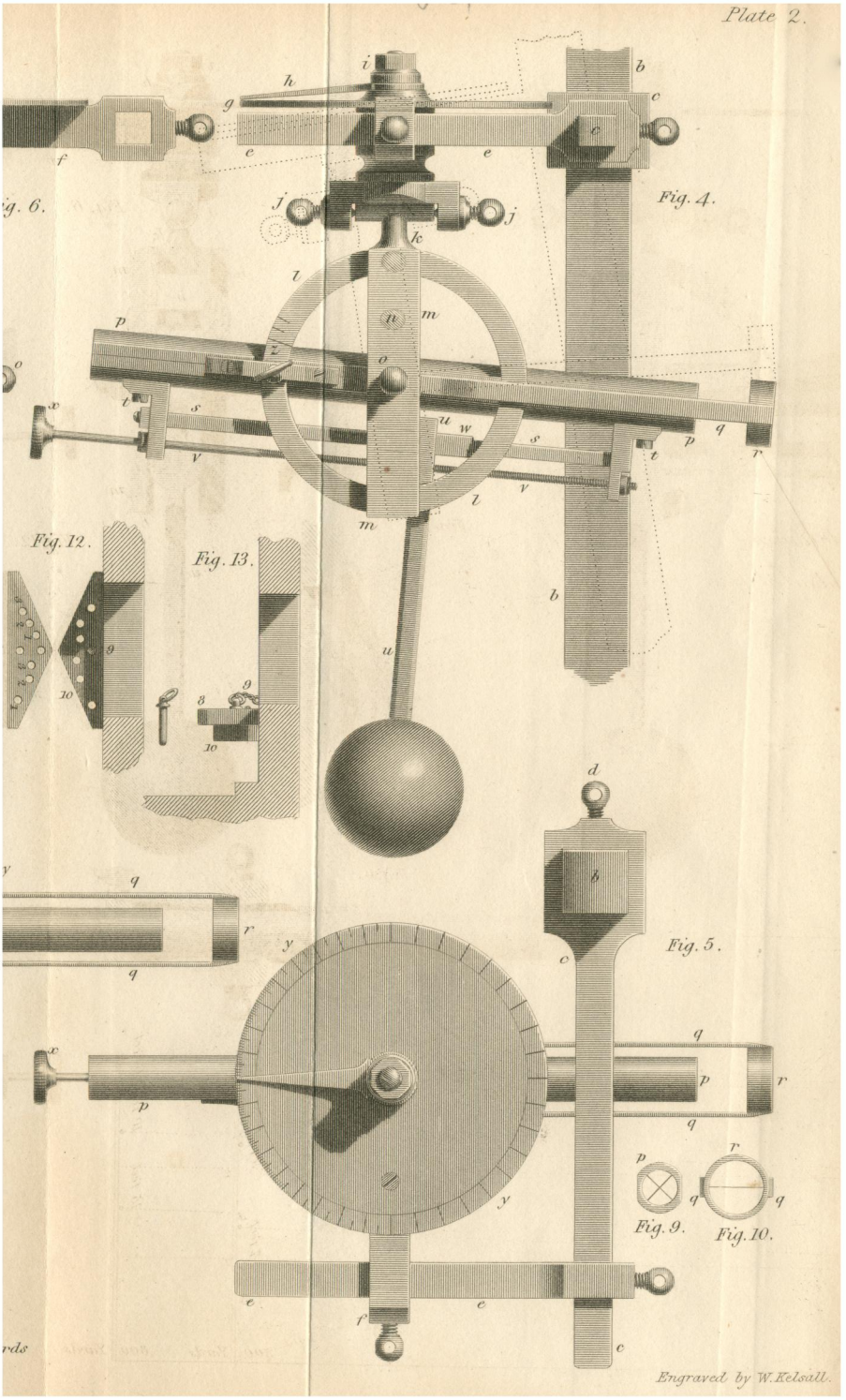
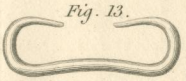


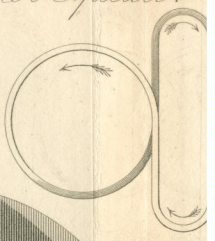
Fig. 6.
Fig. 4.
Fig. 12.
Fig. 13.
Fig. 5.
Fig. 9.
Fig. 10.
Engraved by W. Kelsall.

Mr. Cornelius Varley's Lathes for making Lenses & Speculi.

Fig. 12.

Fig. 13.





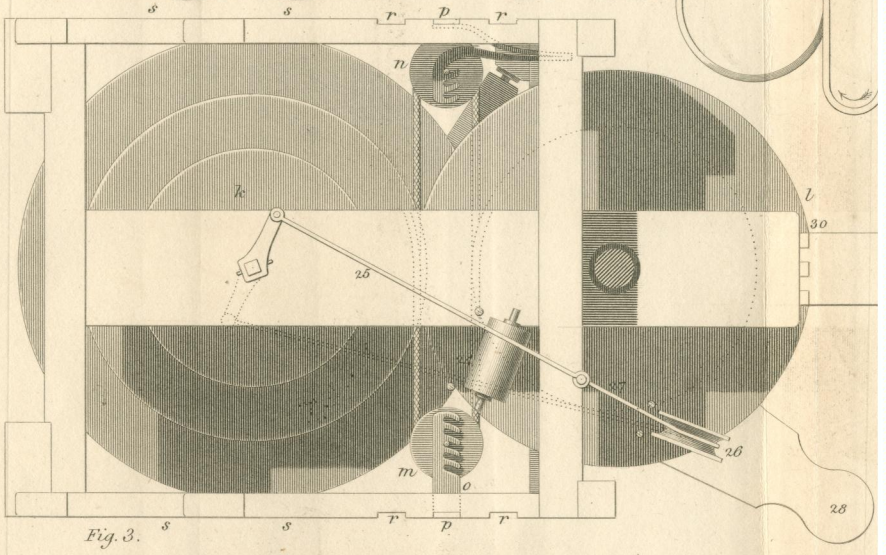
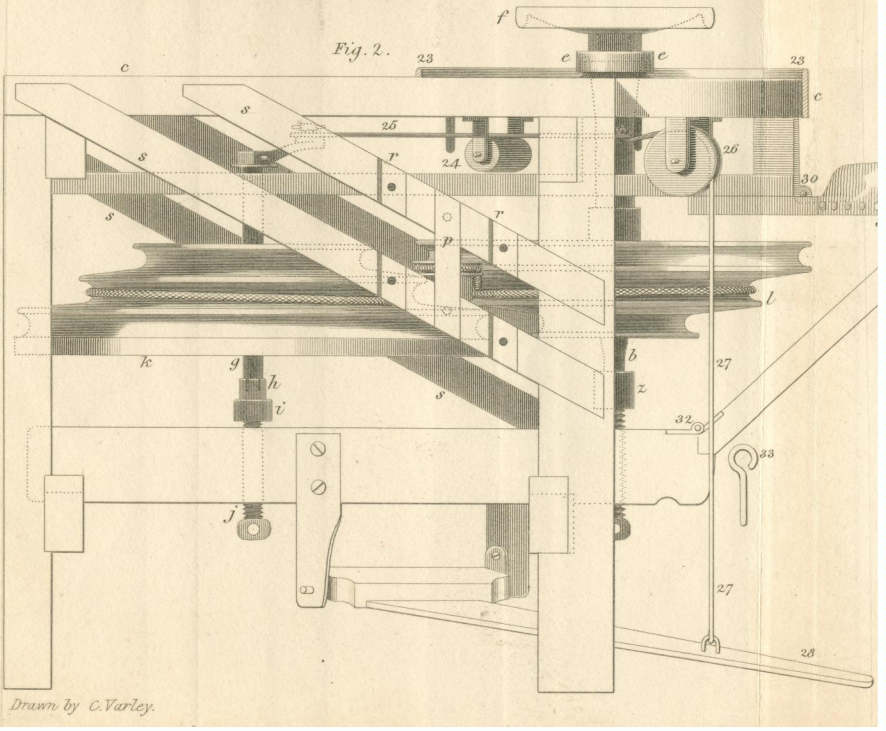
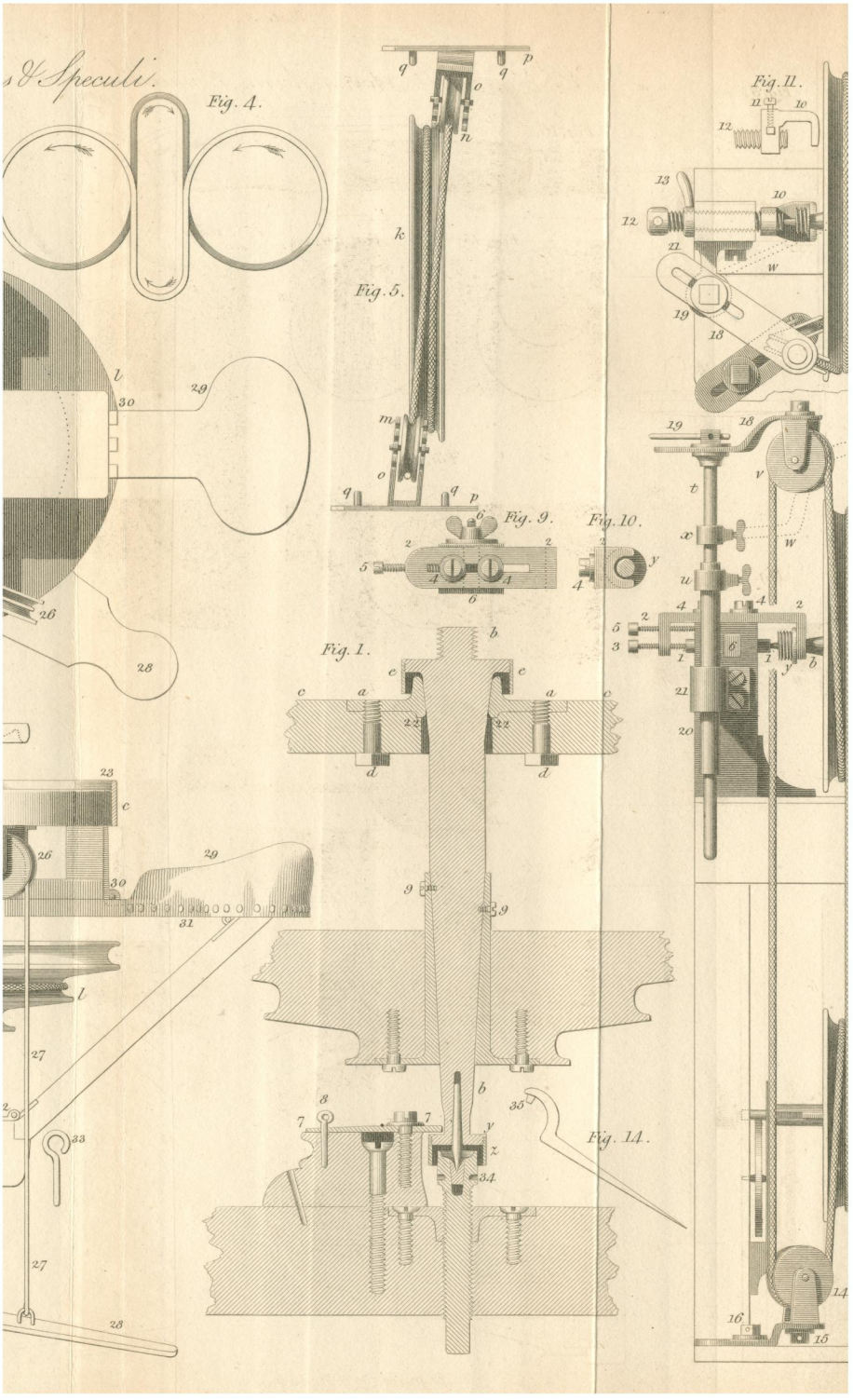


Fig. 3.

Fig. 2.



Drawn by C. Varley.


s of Speculi.
Fig. 4.
Fig. 5.
Fig. 9.
Fig. 10.
Fig. 11.
Fig. 1.
Fig. 14.

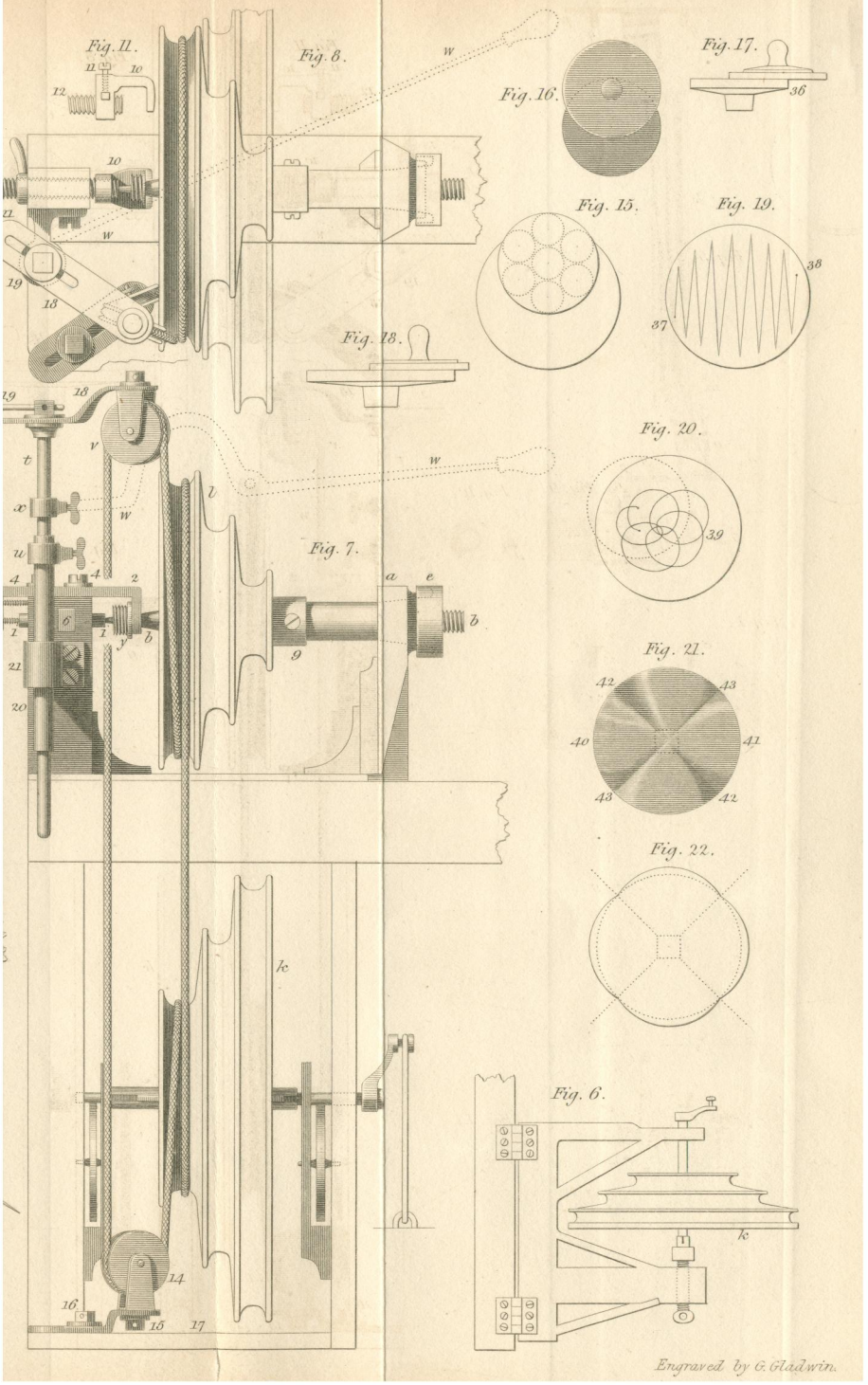


Fig. 11.
Fig. 8.
Fig. 16.
Fig. 17.
Fig. 15.
Fig. 19.
Fig. 18.
Fig. 20.
Fig. 7.
Fig. 21.
Fig. 22.
Fig. 6.
Engraved by G. Gladwin.

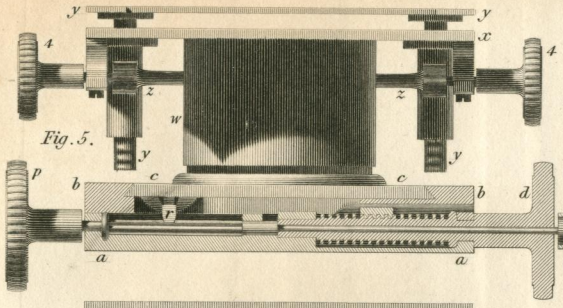


Fig. 5.

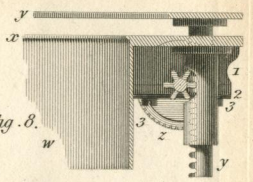


Fig. 8.

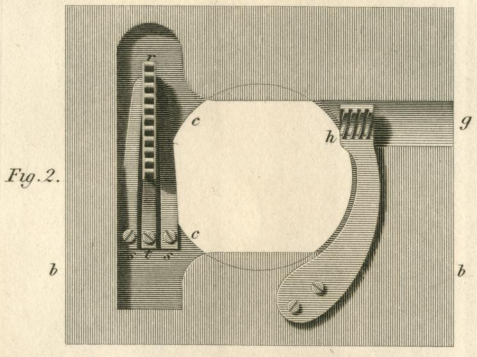


Fig. 2.

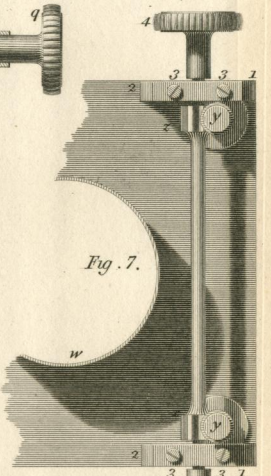


Fig. 7.

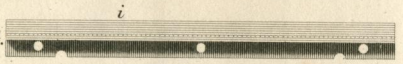


Fig. 4.

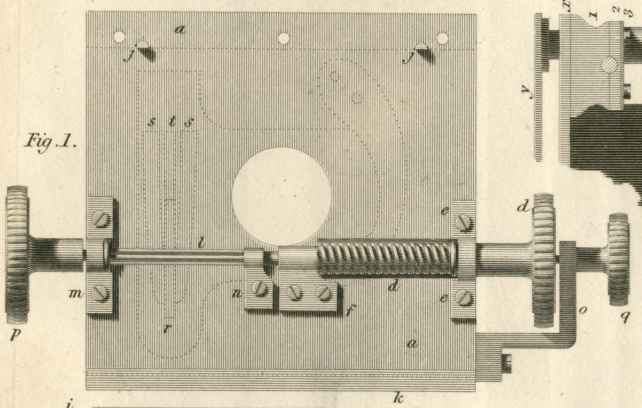


Fig. 1.

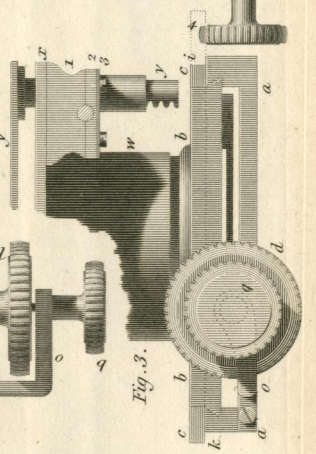


Fig. 3.

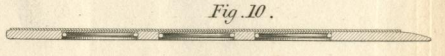


Fig. 10.

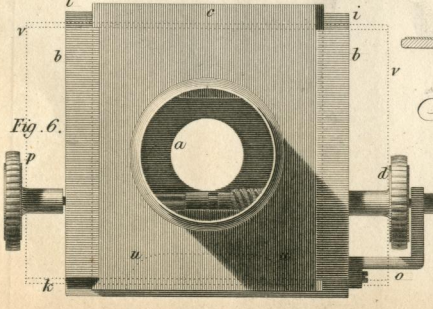


Fig. 6.

Mr. Edd. Turrell's Stage for a Microscope.

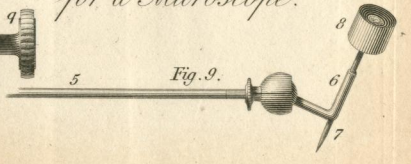


Fig. 9.

Drawn by C. Varley

Engraved by E. Turrell.

Mr. Hollands Microscope.

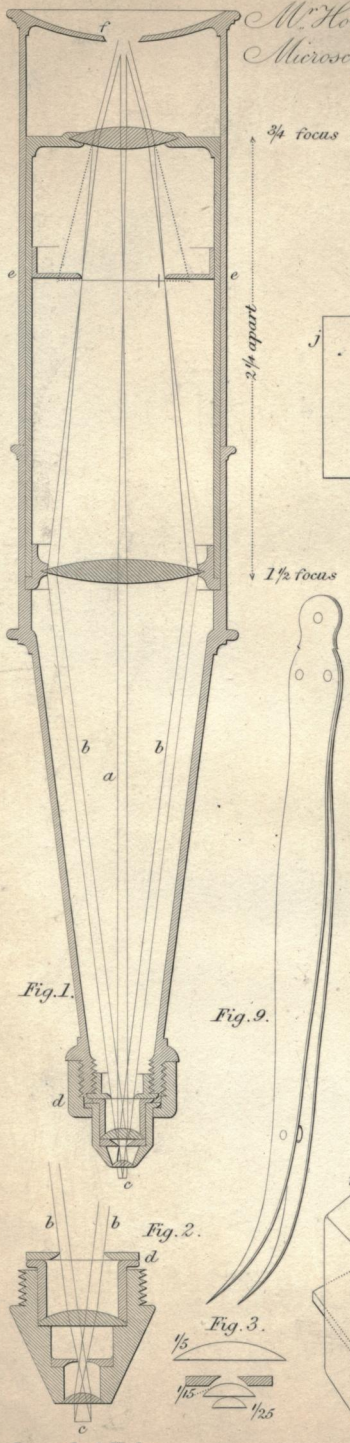


Fig. 1.

Fig. 2.

Fig. 9.

Fig. 3.

Mr. H. Slack's. Dissecting Microscope.

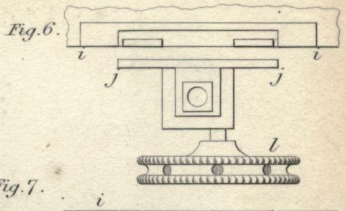


Fig. 6.

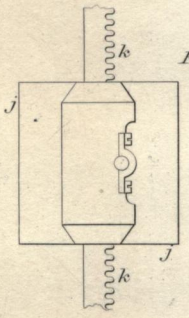
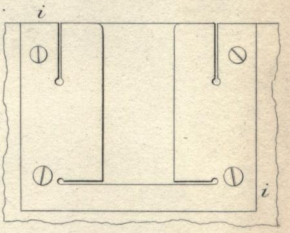


Fig. 7.



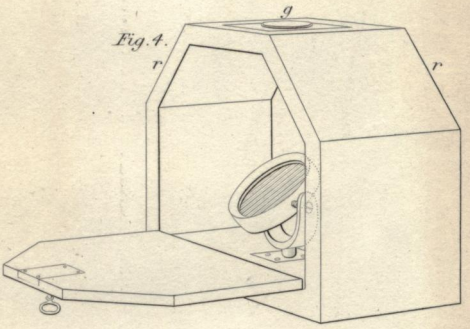


Fig. 4.

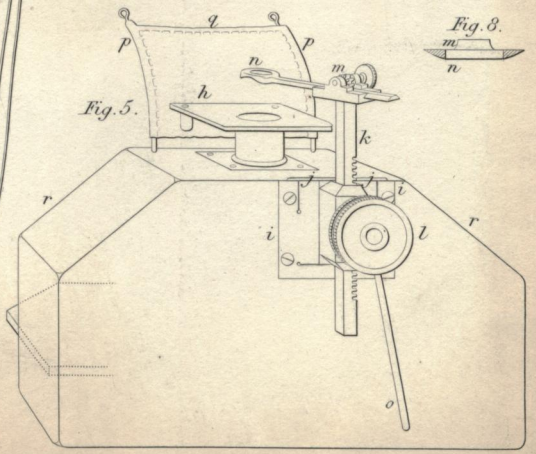


Fig. 5.

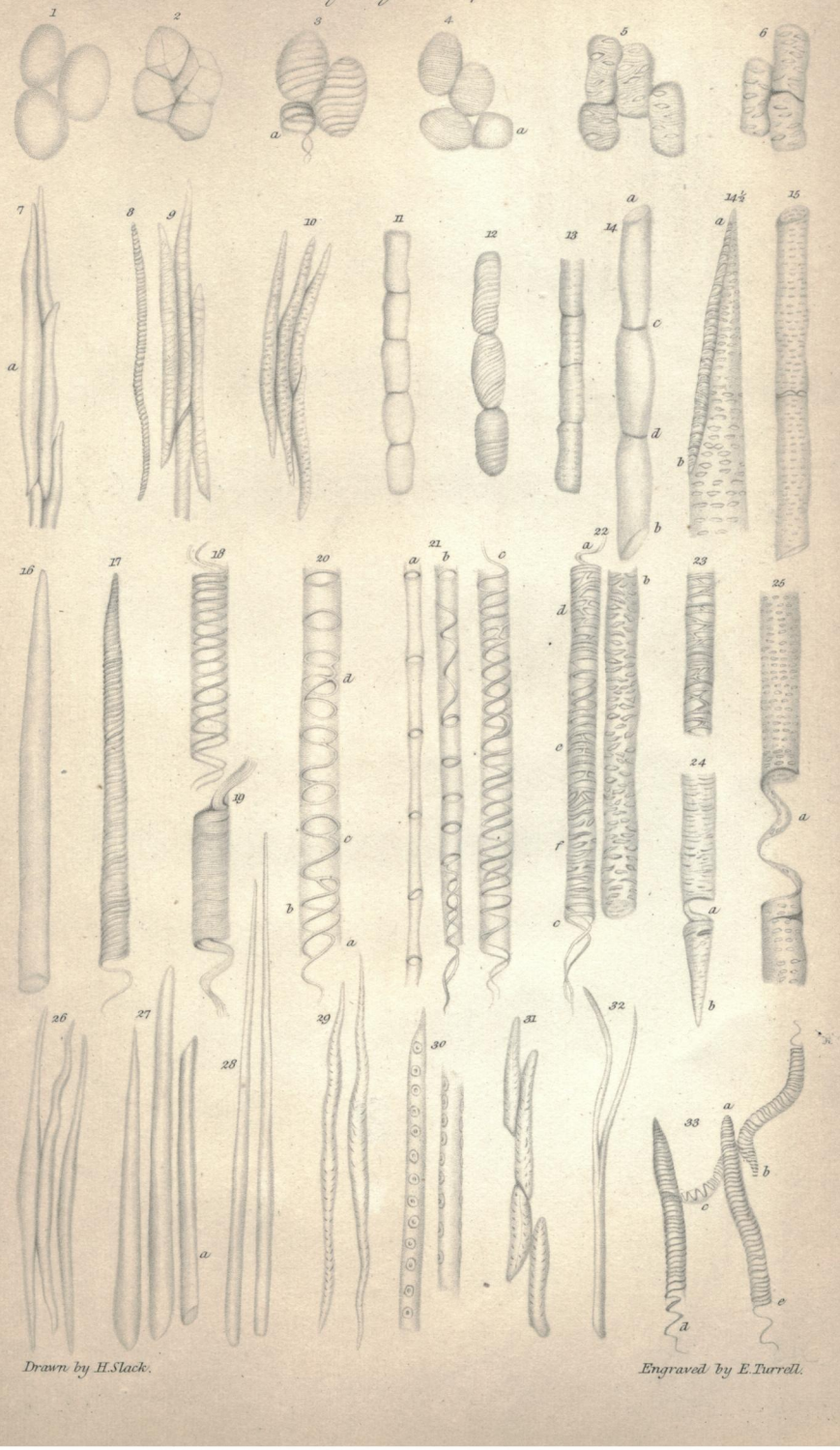
Fig. 8.

Drawn by C. Varley.

Engraved by E. Tarrell.

Elementary tissue of Plants.

Plate 6.

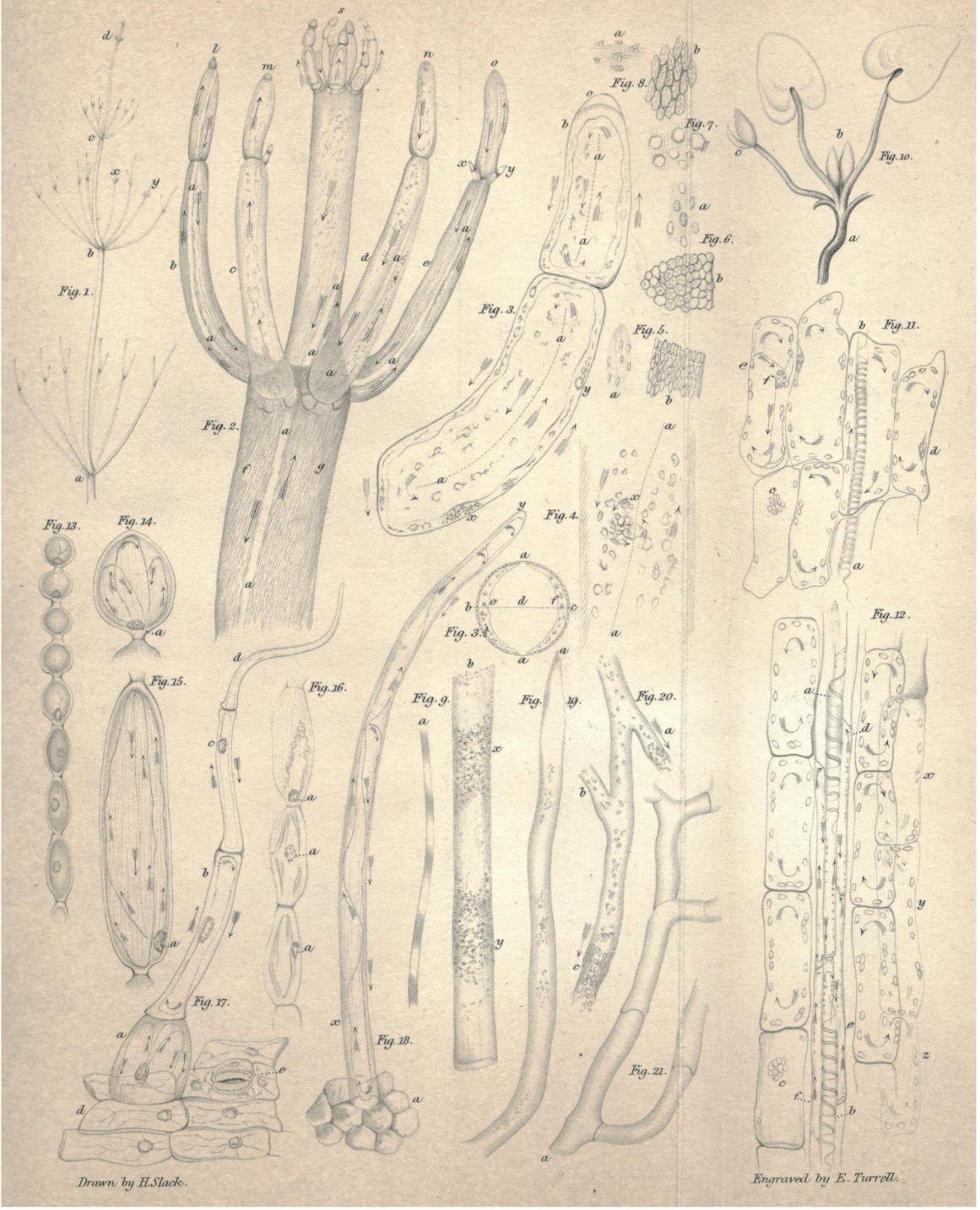


Drawn by H.Slack.

Engraved by E.Turrell.

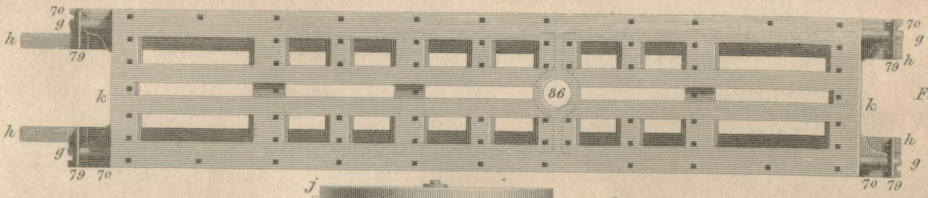
Motion of fluids in Plants

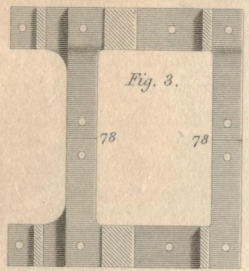
Plate 7.

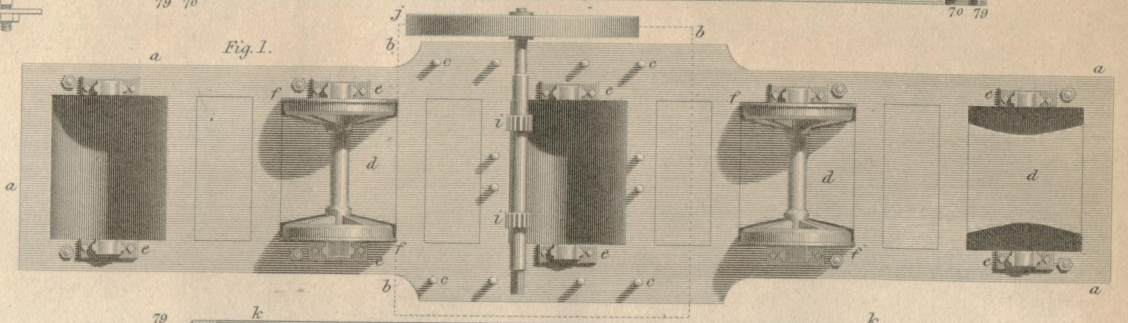


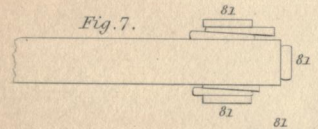
Mr. Joseph Clements's Planing Machine.

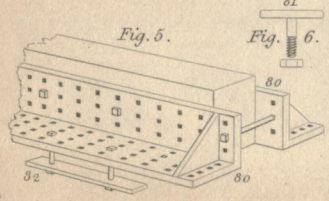
Plate 8.

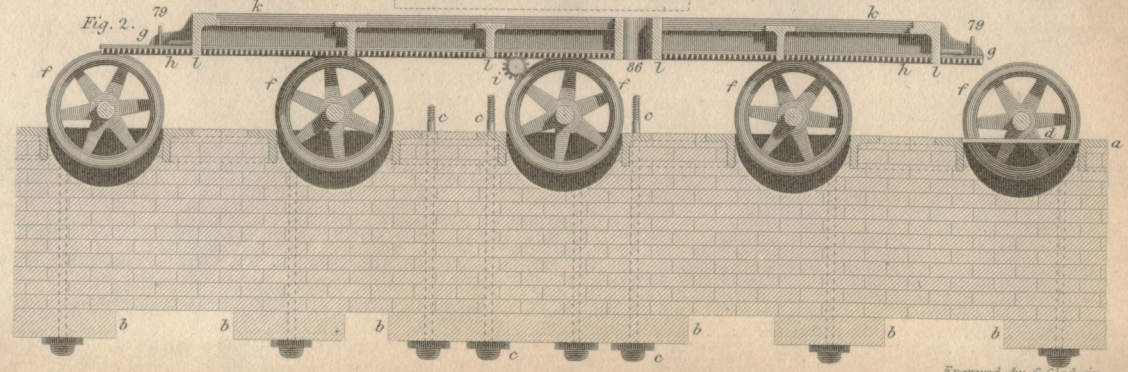






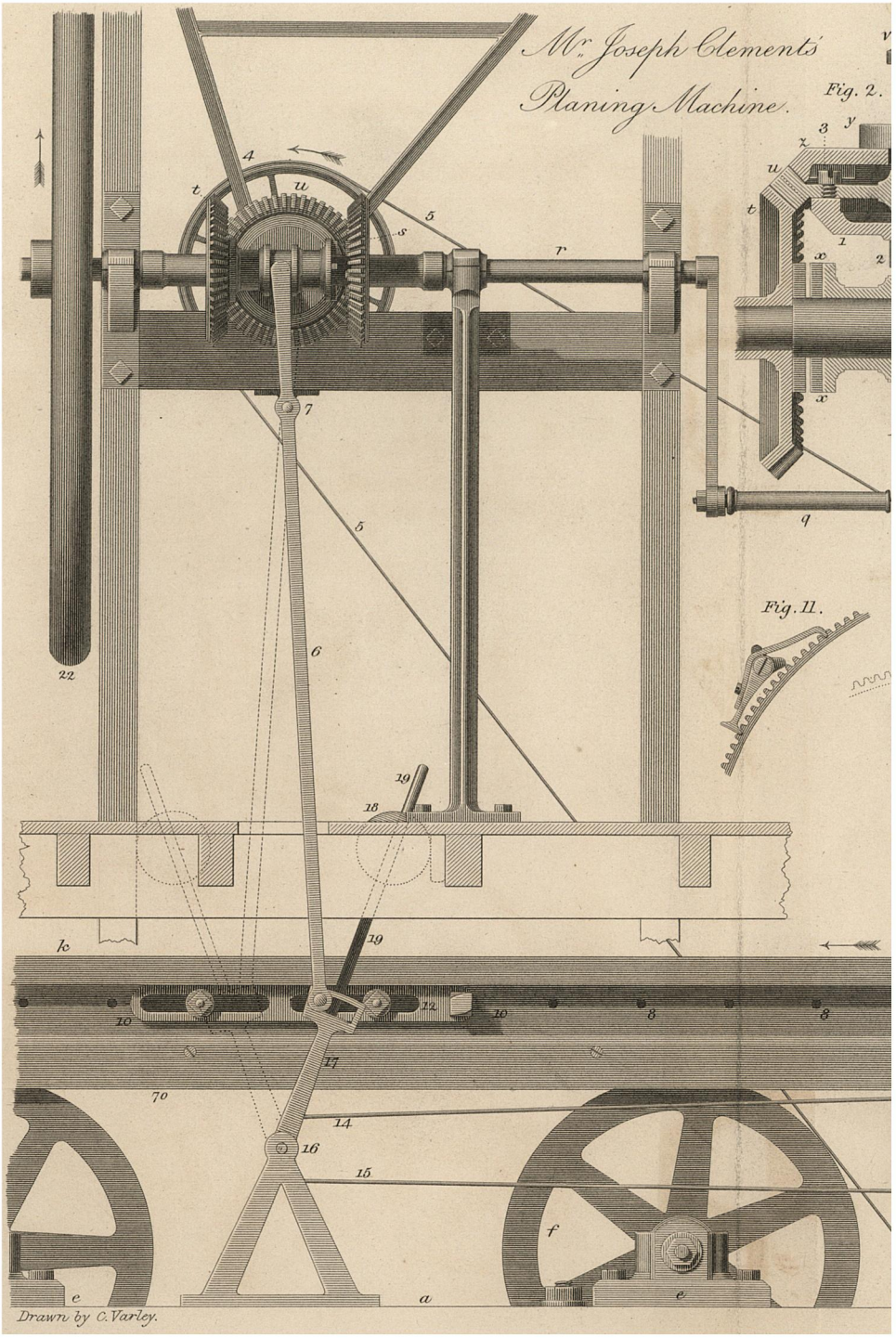






Drawn by C. Varley.

Engraved by G. Gladwin.


Mr. Joseph Clements'
Planing Machine.
Fig. 2.
Fig. 11.
Drawn by C. Varley.

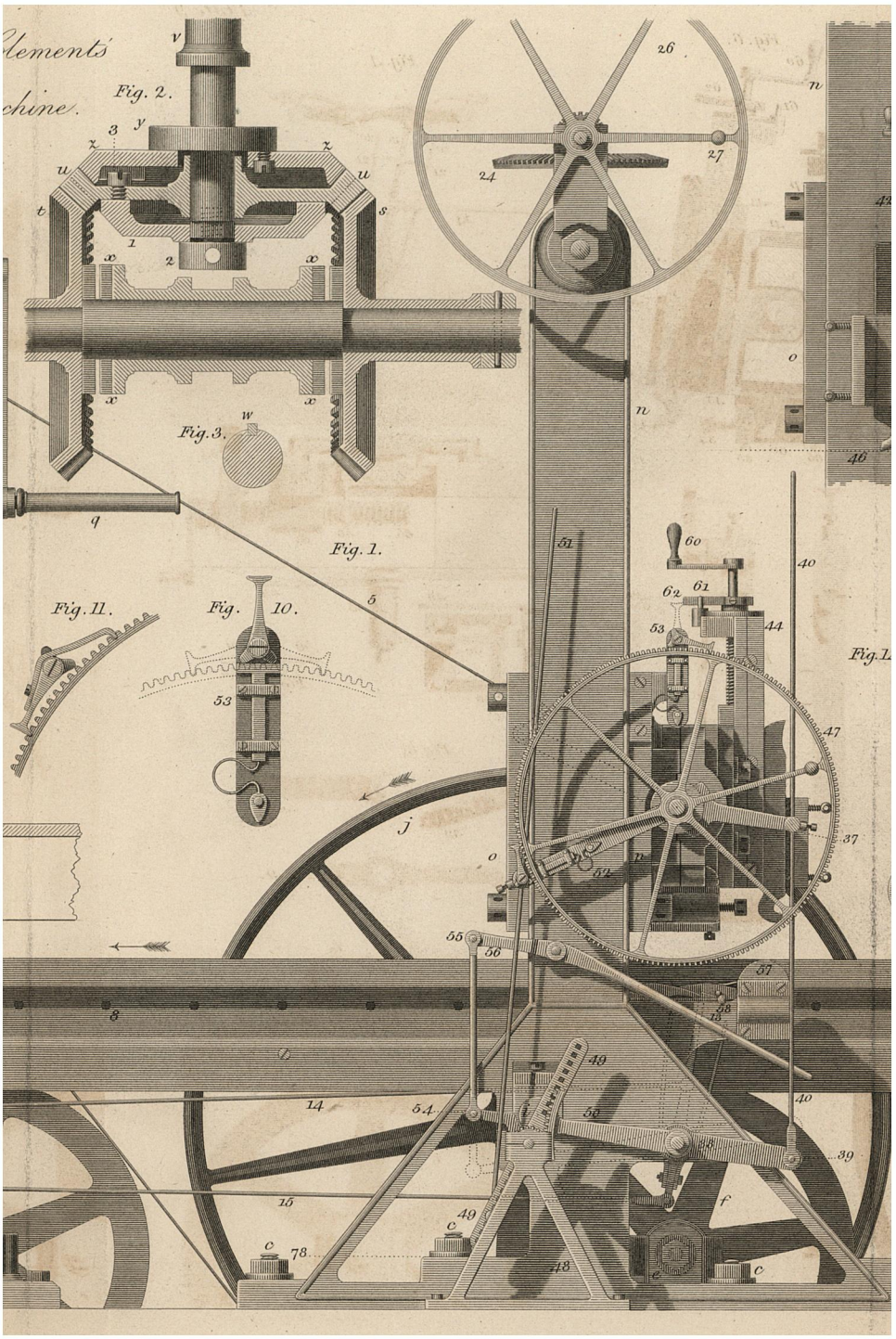

Elements
chine.
Fig. 2.
Fig. 3.
Fig. 1.
Fig. 11.
Fig. 10.
Fig. 1
v
y
z
u
t
s
x
w
q
26
27
24
n
o
46
42
60
61
62
53
44
40
51
47
37
j
52
55
56
57
58
8
14
54
49
59
39
15
f
c
78
18

Plate 9

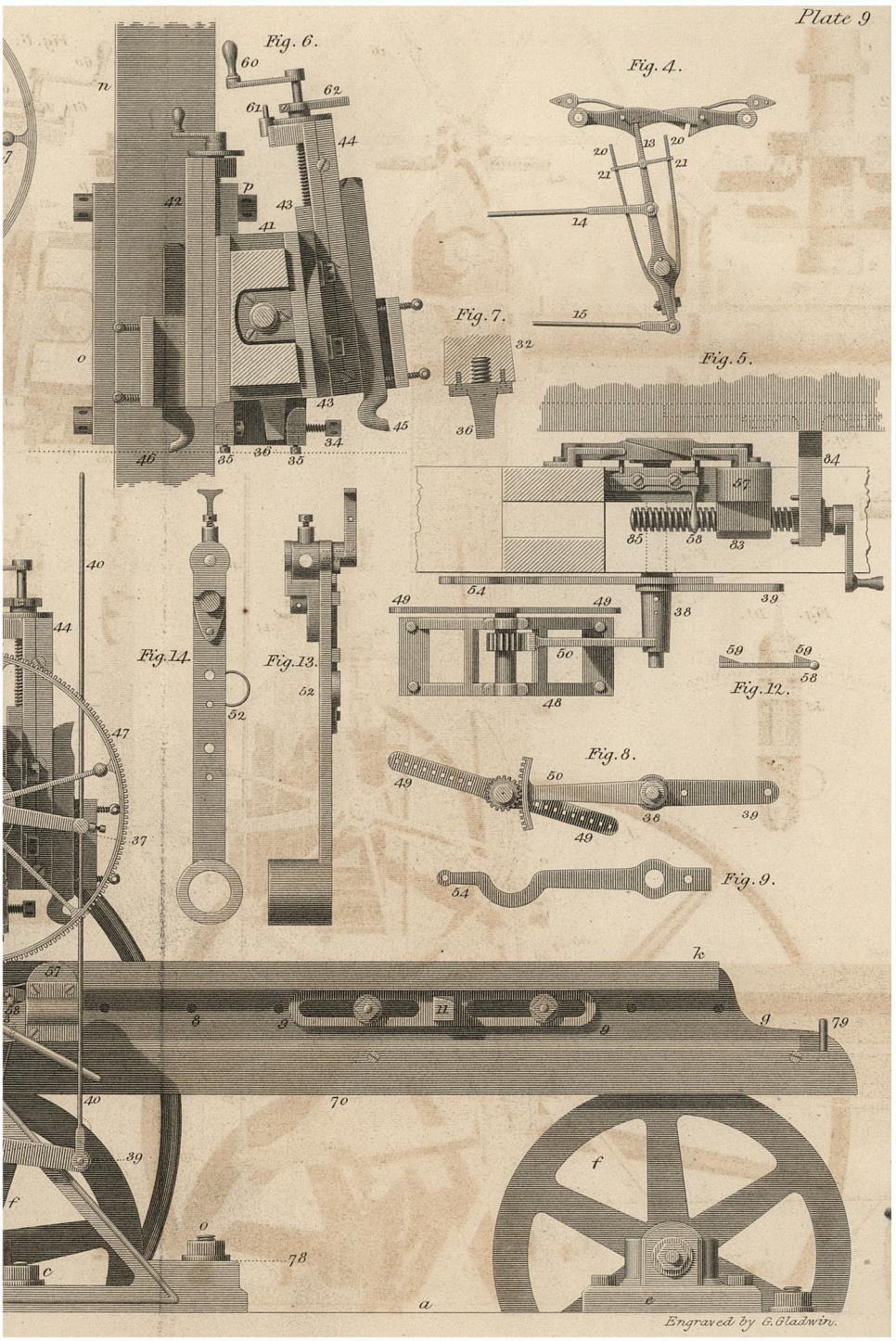
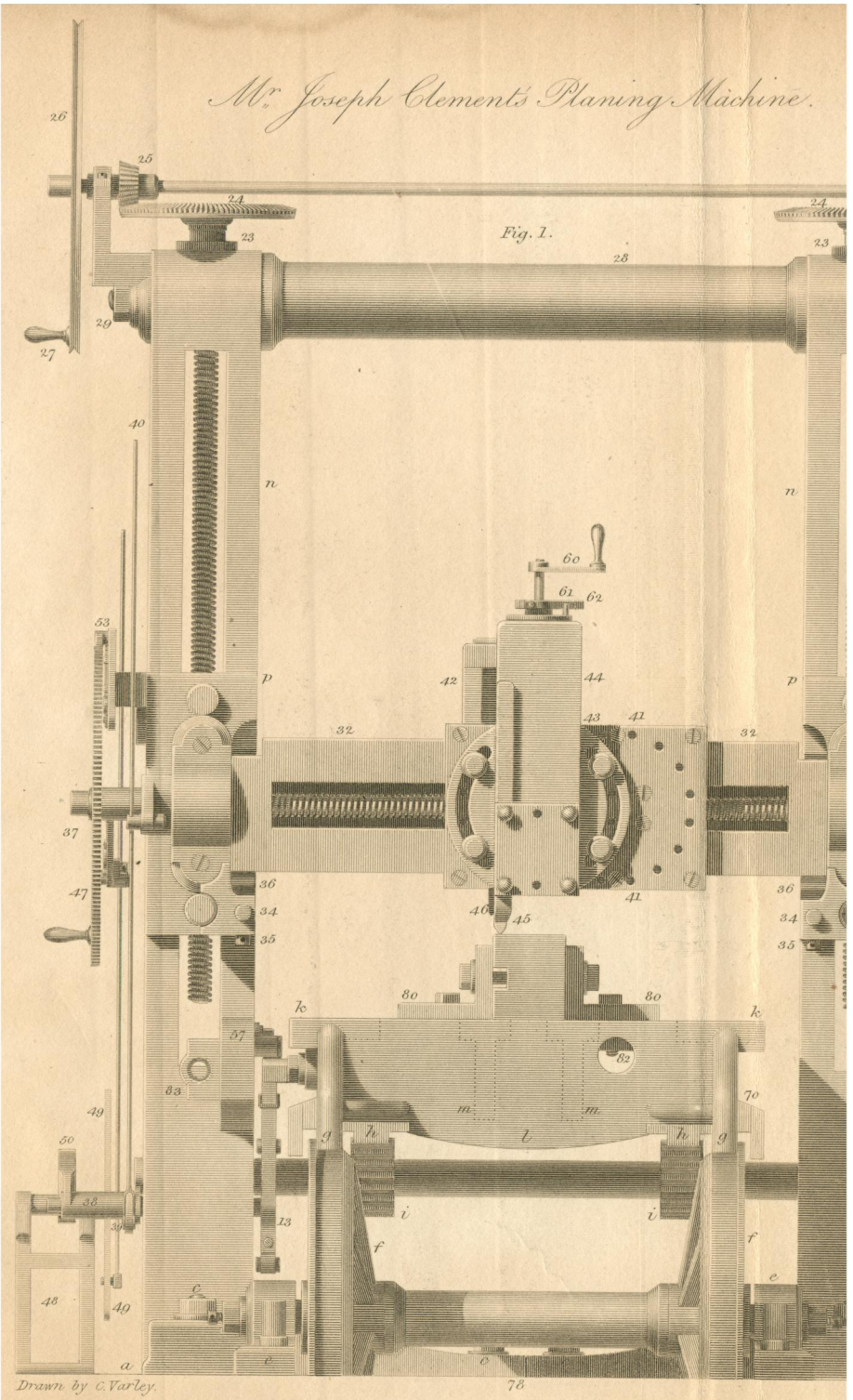


Fig. 6.
Fig. 4.
Fig. 7.
Fig. 5.
Fig. 14.
Fig. 13.
Fig. 12.
Fig. 8.
Fig. 9.
Engraved by G. Gladwin.

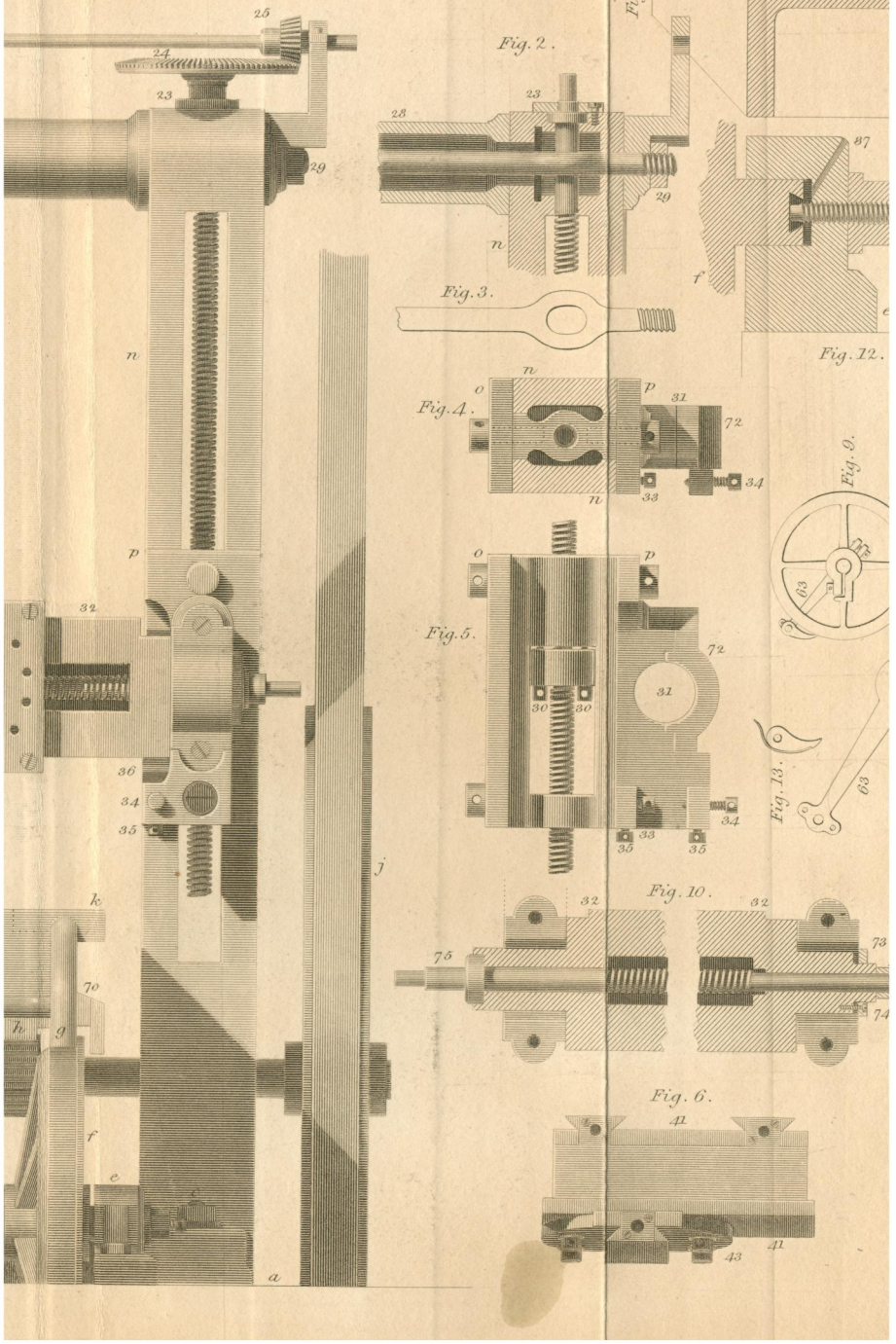
Mr. Joseph Clement's Planing Machine.

Fig. 1.



Drawn by C. Varley.

Machine.


25
24
23
29
n
p
32
36
34
35
j
k
70
h
g
f
e
a
Fig. 2.
23
28
29
n
Fig. 3.
Fig. 4.
o
p
n
31
72
33
34
Fig. 5.
30
Fig. 11.
87
f
Fig. 12.
Fig. 9.
63
Fig. 13.
Fig. 10.
75
73
74
Fig. 6.
41
43

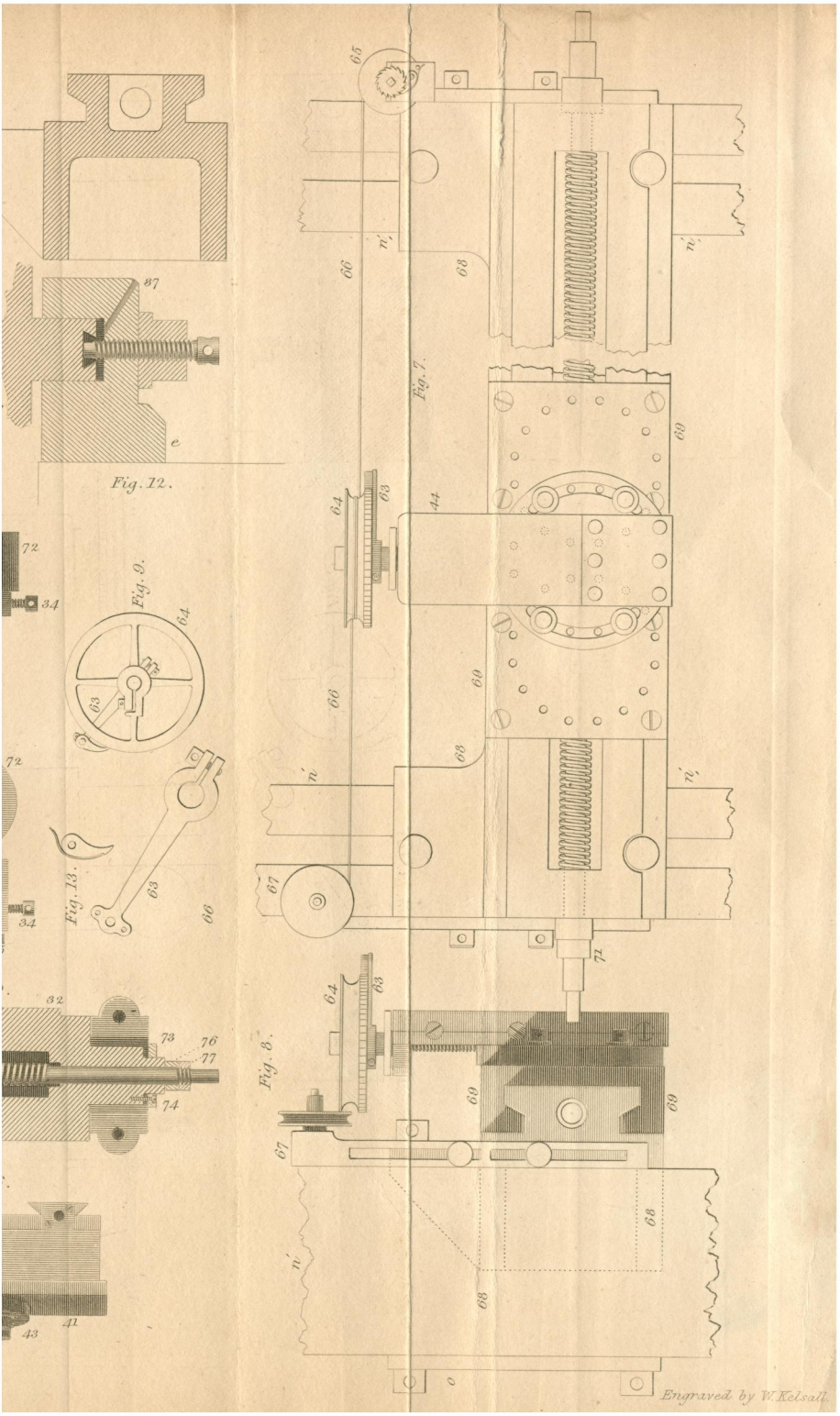


Fig. 12.
Fig. 9.
Fig. 13.
Fig. 7.
Fig. 8.
Engraved by W. Kelsall.